



IFWO

## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/775,481A

TIME: 14:42:34

Input Set : A:\08321-168 US1.TXT

Output Set: N:\CRF4\08302004\J775481A.raw

4 <110> APPLICANT: Waldman, Scott A.  
 5 Pitari, Giovanni Mario  
 6 Park, Jason  
 7 Schulz, Stephanie  
 8 Wolfe, Henry R.  
 9 Lubbe, Wilhelm

11 <120> TITLE OF INVENTION: The Use Of GCC Ligands  
 14 <130> FILE REFERENCE: 08321-0168 US1  
 16 <140> CURRENT APPLICATION NUMBER: US 10/775,481A  
 17 <141> CURRENT FILING DATE: 2004-02-10  
 19 <150> PRIOR APPLICATION NUMBER: US 60/446,730  
 20 <151> PRIOR FILING DATE: 2003-02-10  
 22 <160> NUMBER OF SEQ ID NOS: 56  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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 27 <211> LENGTH: 57  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: encodes heat stable toxin peptide of SEQ ID NO: 2

-> 34 <221> NAME/KEY: CDS  
 35 <222> LOCATION: (1)...(57)

-> 37 <400> 1  
 38 aac aac aca ttt tac tgc tgt gaa ctt tgt tgt aat cct gcc tgt gct 48  
 39 Asn Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala  
 40 1 5 10 15  
 42 gga tgt tat 57  
 43 Gly Cys Tyr

47 <210> SEQ ID NO: 2  
 48 <211> LENGTH: 19  
 49 <212> TYPE: PRT  
 50 <213> ORGANISM: Artificial Sequence  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: heat stable toxin peptide Ia  
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 56 Asn Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala  
 57 1 5 10 15  
 58 Gly Cys Tyr

62 <210> SEQ ID NO: 3  
 63 <211> LENGTH: 18  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Artificial Sequence  
 67 <220> FEATURE:



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68 &lt;223&gt; OTHER INFORMATION: heat stable toxin peptide I\*

70 &lt;400&gt; SEQUENCE: 3

71 Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly

72 1 5 10 15

73 Cys Asn

77 &lt;210&gt; SEQ ID NO: 4

78 &lt;211&gt; LENGTH: 57

79 &lt;212&gt; TYPE: DNA

80 &lt;213&gt; ORGANISM: Artificial Sequence

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83 &lt;223&gt; OTHER INFORMATION: encodes heat stable toxin peptide of SEQ ID NO: 5

--&gt; 85 &lt;221&gt; NAME/KEY: CDS

86 &lt;222&gt; LOCATION: (1)...(57)

--&gt; 88 &lt;400&gt; 4

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90 Asn Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Asn

91 1 5 10 15

93 ggg tgc tat 57

94 Gly Cys Tyr

98 &lt;210&gt; SEQ ID NO: 5

99 &lt;211&gt; LENGTH: 19

100 &lt;212&gt; TYPE: PRT

101 &lt;213&gt; ORGANISM: Artificial Sequence

103 &lt;220&gt; FEATURE:

104 &lt;223&gt; OTHER INFORMATION: heat stable toxin peptide Ib

106 &lt;400&gt; SEQUENCE: 5

107 Asn Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Asn

108 1 5 10 15

109 Gly Cys Tyr

113 &lt;210&gt; SEQ ID NO: 6

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116 &lt;213&gt; ORGANISM: Artificial Sequence

118 &lt;220&gt; FEATURE:

119 &lt;223&gt; OTHER INFORMATION: guanylin

121 &lt;400&gt; SEQUENCE: 6

122 Pro Asn Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys

123 1 5 10 15

126 &lt;210&gt; SEQ ID NO: 7

127 &lt;211&gt; LENGTH: 18

128 &lt;212&gt; TYPE: PRT

129 &lt;213&gt; ORGANISM: Artificial Sequence

131 &lt;220&gt; FEATURE:

132 &lt;223&gt; OTHER INFORMATION: fragment of SEQ ID NO: 2

134 &lt;400&gt; SEQUENCE: 7

135 Asn Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala

136 1 5 10 15

137 Gly Cys

141 &lt;210&gt; SEQ ID NO: 8

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144 <213> ORGANISM: Artificial Sequence
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157 <211> LENGTH: 16
158 <212> TYPE: PRT
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161 <220> FEATURE:
162 <223> OTHER INFORMATION: fragment of SEQ ID NO: 2
164 <400> SEQUENCE: 9
165 Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
166 1           5           10           15
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200 <220> FEATURE:
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204 Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
205 1           5           10
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 18
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence

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213 <220> FEATURE:  
214 <223> OTHER INFORMATION: fragment of SEQ ID NO: 2  
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218 1 5 10 15  
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241 <213> ORGANISM: Artificial Sequence  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: fragment of SEQ ID NO: 2  
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247 Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr  
248 1 5 10 15  
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254 <213> ORGANISM: Artificial Sequence  
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257 <223> OTHER INFORMATION: fragment of SEQ ID NO: 2  
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261 1 5 10 15  
264 <210> SEQ ID NO: 17  
265 <211> LENGTH: 14  
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267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
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273 Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr  
274 1 5 10  
277 <210> SEQ ID NO: 18  
278 <211> LENGTH: 17  
279 <212> TYPE: PRT  
280 <213> ORGANISM: Artificial Sequence  
282 <220> FEATURE:  
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285 <400> SEQUENCE: 18
286 Asn Thr Phe Tyr Cys Cys Gly Leu Cys Cys Tyr Pro Ala Cys Ala Gly
287 1 5 10 15
288 Cys
292 <210> SEQ ID NO: 19
293 <211> LENGTH: 16
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
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300 <400> SEQUENCE: 19
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302 1 5 10 15
305 <210> SEQ ID NO: 20
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313 <400> SEQUENCE: 20
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315 1 5 10 15
318 <210> SEQ ID NO: 21
319 <211> LENGTH: 14
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
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324 <223> OTHER INFORMATION: fragment of SEQ ID NO: 3
326 <400> SEQUENCE: 21
327 Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
328 1 5 10
331 <210> SEQ ID NO: 22
332 <211> LENGTH: 13
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial Sequence
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337 <223> OTHER INFORMATION: fragment of SEQ ID NO: 3
339 <400> SEQUENCE: 22
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341 1 5 10
344 <210> SEQ ID NO: 23
345 <211> LENGTH: 17
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial Sequence
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350 <223> OTHER INFORMATION: fragment of SEQ ID NO: 3
352 <400> SEQUENCE: 23
353 Thr Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
354 1 5 10 15

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**VERIFICATION SUMMARY**

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Input Set : A:\08321-168 US1.TXT

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L:37 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
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L:88 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4